

Industry Managed QPL Program

<http://www.pri.sae.org/QPL/qpl-list.htm>

Qualified Products List (QPL)- A list of products that **HAVE MET**

the qualification requirements stated in the applicable specification.

Tom O'Mara

17 March 04



Background

- **Acquisition Reform/Public Law**
 - ◇ **Performance vice detailed specs**
 - ◇ **Non Government Standard (NGS) preferred over mil-specs**
- **Aerospace Industries Association (AIA) - EWPG**
 - ◇ **Configuration/logistics support for existing military and commercial aircraft**
 - ◇ **Preserve value added aerospace mil-spec requirements - (word for word)**
 - ◇ **Manage mil-spec transition to NGS**

NGS Transition – QPL Issue

- **AIA's EWPG identified value added mil-specs**
 - ◆ **809 had DoD QPLs**
 - ◆ **DoD planned 191 for NGS conversion**
 - **DoD QPL against NGS**
 - **Mandatory ONLY for DoD procurements**
 - ◆ **Industry: Maintain MANDATORY QPL**
- **Issue - No NGS QPL program existed**

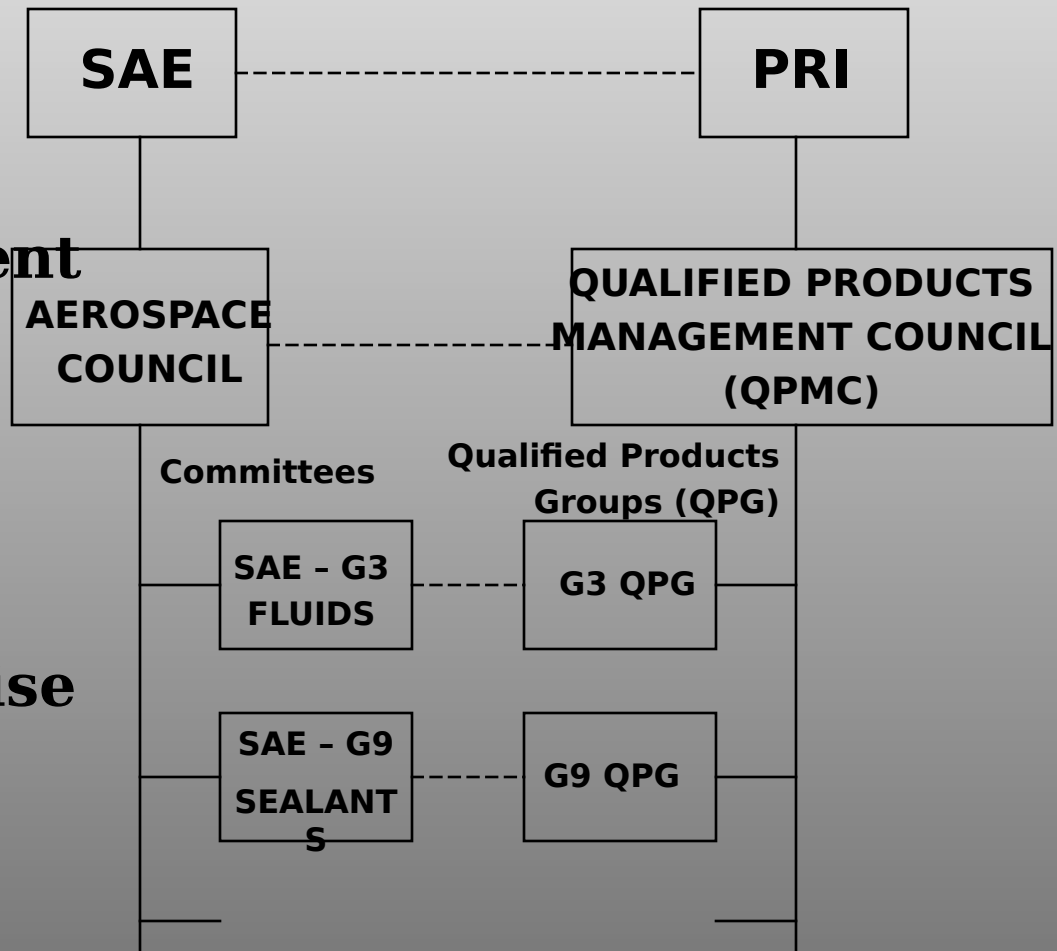
Industry/Government Group Formed

“Provide industry a cost-effective forum to manage and maintain QPLs to meet industry needs.”

- ◆ **Developed organization concept.**
- ◆ **Established policies & procedures.**
 - **Consensus based.**
 - **Checks/Balances.**
 - **Feedback/issue resolution.**
 - **“Grandfather” DoD QPLs.**
 - **QPL on-line database.**
 - **International liaison/recognition (AECMA-CERT).**
- ◆ **Pilot program success.**

Organization Structure

- ◇ Policy Approval
- ◇ Policy Development
- ◇ Oversight
- ◇ Issue Resolution
- ◇ Policy Execution
- ◇ Technical Expertise



Qualified Product Management Council (QPMC)

Members

Tom O'Mara, Chairperson	NAVAIR
Robert Evans	DSCC Focal Point
Barry Feltham	AECMA-Cert/Rolls Royce
Alan Fletcher	Wright Materials Labs
Manuel Koucouthakis	Honeywell International
Gary Landry	UTC - Pratt & Whitney
Clifford Smith	General Services Administration
Hans van der Velden	Boeing Commercial Group
Jeff Conrad	PRI, Secretariat (non-voting)

Policies & Procedures

- **PD2000** **Procedures for an Industry Managed Process**
- **PD2001** **Qualified Product Management Council
Procedures for Qualified Product Groups**
- **PD2101** **Aerospace Quality Assurance, Product
Standards, Qualification Procedure, Fluid
Systems**
- **PD2102** **Aerospace Quality Assurance, Product
Standards, Qualification Procedure, Elastomeric
Seals**
- **PD2103** **Aerospace Quality Assurance, Product
Standards, Qualification Procedure, Sealants**
- **SDO Guidelines**

NGS Committee

- **Decision - QPL Warranted**
- **Define QPL Requirements**
 - ◇ **Testing Requirements**
 - ◇ **“Approved” Testers**
 - ◇ **Quality Program Required?**
 - ◇ **Recertification Requirement (How often?, Retesting?)**
- **Form QPG**
 - ◇ **“Users” Only**
 - ◇ **Nominate Chairperson**
- **Incorporate QPL Requirement in NGS Standard**

Process

Supplier

- Contact PRI per NGS Standard
- Arrange For Testing (\$) per NGS Standard
- Forward Application (Test Report, Certs) to PRI (\$)

PRI

- Provide application requirements per NGS Standard
- Validate application (package is complete)
- Forward to QPG (provide administrative support)

QPG

- Meeting/Teleconference
- Technical Review of application per NGS Standard
- Qualification Decision requires unanimous approval (at least three members)

PRI

- Implements QPG decision
- Notifies Supplier
- If approved - list on web-based QPL
- Initiate Recertification per NGS Standard

Committee Involvement

➤ **Current Qualified Product Groups (QPGs)**

- ◇ Fluid System Standards (NAS, AS, and Mil-Specs with QPLs) - SAE G-3
- ◇ Sealants (AMS documents with Military QPLs) - SAE G-9
- ◇ Elastomer Seals - SAE CE
- ◇ Organic Coatings - AMS G-8
- ◇ General Standards for Aerospace and Propulsion Systems - E-25

➤ **Inquiries of Other Committees**

- ◇ Aerospace Fuel, Oil & Oxidizer Systems - AE-5
- ◇ Propulsion Lubricants - E-34
- ◇ Fluid Power, Actuation & Control - A-6
- ◇ Nondestructive Methods & Processes - AMS K
- ◇ Aircraft Lighting - A-20
- ◇ Airframe Control Bearings - ACBG

Conclusion

- **Viable Industry Managed QPL Program exists**
 - ◇ <http://www.pri.sae.org/QPL/qpl-list.htm>
- **Not a “free lunch”**
 - ◇ PRI administrative costs - application fee (Supplier)
 - ◇ Testing cost (Supplier)
 - ◇ QMPC/QPG costs - (Industry/Government voluntary participation)

(please note - DoD QPLs are not free)
- **Shared investment reduces everyone's infrastructure costs**
- **Interested - thomas.omara@navy.mil**
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